MULTIMEDIA UNIVERSITY

STUDENT ID NO

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# MULTIMEDIA UNIVERSITY

# FINAL EXAMINATION

**TRIMESTER 2, 2016/2017**

## LRV0015 – READING AND VOCABULARY: SKILLS AND STRATEGIES 1

(All sections)

3 March 2017
3:00 p.m – 5:00p.m
(2 Hours)

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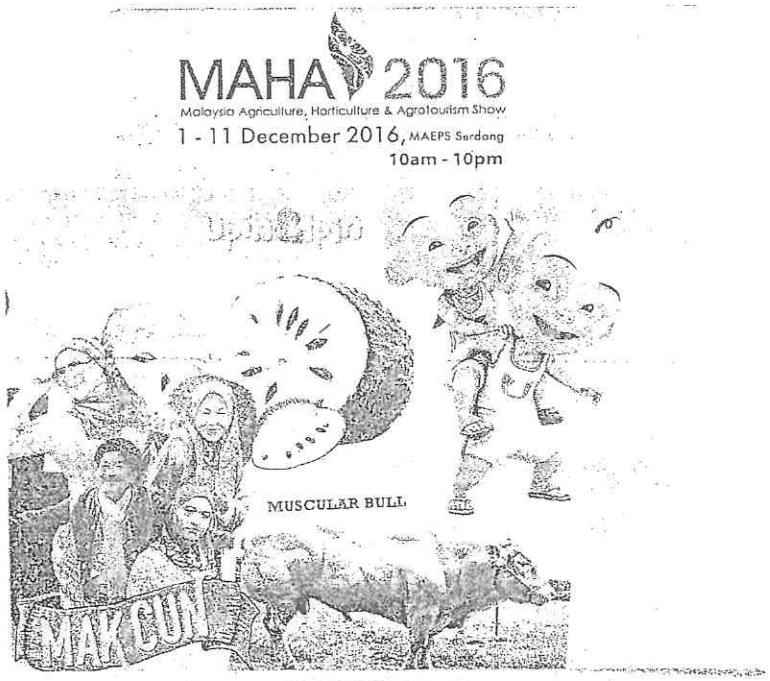
**INSTRUCTIONS TO STUDENTS**

1. This question paper consists of **14** pages with **THREE** sections only.
2. Answer **ALL** questions.
3. Write all your answers for **SECTION A, B** and **C** in the Answer Booklet.

## SECTION A: STIMULUS [20 MARKS]

**Instructions:** In this section you will read a selection of texts, such as magazine and newspaper articles, letters, and advertisements. Each text is followed by several questions. Select the best answer for each question.

### Question 1 (5 marks)




**ATTRACTIONS AWAITING VISITORS**

- Savour 168 popular dishes at Food Empire
- Over 100 stalls selling fruits, vegetables and fresh flowers
- Approx. 20 seminars and marketing courses to boost your business
- Agrotainment for the whole family at Upin and Ipin's Kampung Durian Runtuh
- Celebrity appearance by Erma Fatima and other celebrities at Kampung Mak Cun
- Tuna in the House, Upside Down Fisherman's Home, Kingdom of Shark, Whale skeleton and the chance to taste the most expensive fish at the Fisheries Arena
- Muscular Bull, cow milking, meet the Vet and Farmville experience at the Livestock Arena
- Rhythm of the Farmers featuring Khalifah, Wali Band, Shila Amzah, Ramli Sarip, Ebiet G Ade and many more

1. The Malaysia Agriculture Horticulture & Agriculture Show (MAHA) 2016 will _____.

   A. start at the beginning of December
   B. run throughout the month of December
   C. be held for the first 10 days of December
   D. be held during the second week of December

**Continued...**

2. The celebrity who will not be singing at MAHA 2016 is _____.
   A. Khalifah
   B. Ramli Sarip
   C. Shila Amzah
   D. Erma Fatima

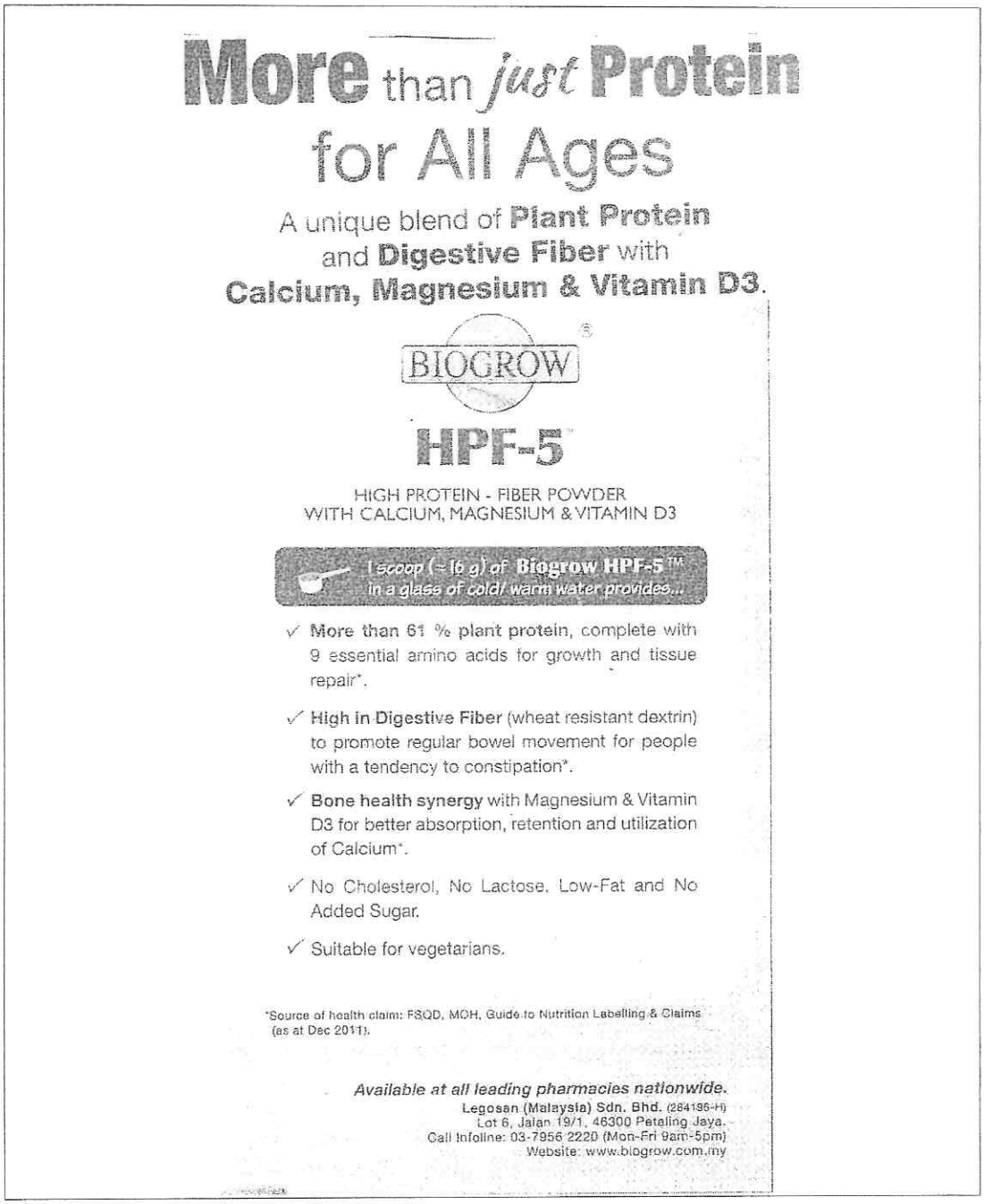
3. Tuna in the House would most likely be _____.
   A. selling expensive tuna
   B. organising fishing activities
   C. introducing ways to cook a tuna
   D. showing a documentary about the life cycle of a tuna

4. One can purchase all of the followings from the 100 stalls **EXCEPT** _____.
   A. mango
   B. mutton
   C. orchids
   D. spinach

5. The best word to replace "**boost**" is _____.
   A. push
   B. improve
   C. reinforce
   D. aggrandise

**Continued...**

**Question II (5 marks)**



**More** than *just* **Protein**
for All Ages

A unique blend of **Plant Protein**
and **Digestive Fiber** with
**Calcium, Magnesium & Vitamin D3.**

BIOGROW®

**HPF-5**

HIGH PROTEIN - FIBER POWDER
WITH CALCIUM, MAGNESIUM & VITAMIN D3

*1 scoop (~ 16 g) of* **Biogrow HPF-5™**
*in a glass of cold/ warm water provides...*

- ✓ **More than 61 % plant protein**, complete with 9 essential amino acids for growth and tissue repair*.
- ✓ **High in Digestive Fiber** (wheat resistant dextrin) to promote regular bowel movement for people with a tendency to constipation*.
- ✓ **Bone health synergy** with Magnesium & Vitamin D3 for better absorption, retention and utilization of Calcium*.
- ✓ No Cholesterol, No Lactose, Low-Fat and No Added Sugar.
- ✓ Suitable for vegetarians.

*Source of health claim: FSQD, MOH, Guide to Nutrition Labelling & Claims (as at Dec 2011).

***Available at all leading pharmacies nationwide.***
**Legosan (Malaysia) Sdn. Bhd.** (284196-H)
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Call Infoline: 03-7956 2220 (Mon-Fri 9am-5pm)
Website: www.biogrow.com.my

1. The main aim of the poster above is to _____.
   A. promote HPF-5
   B. sell HPF-5 to vegetarians
   C. introduce a product called HPF-5
   D. provide a brief description on HPF-5

**Continued...**

2. From the information given in the poster, we know that HPF-5 is essentially good for _____.
   A. adults
   B. elderly
   C. children
   D. people of all ages

3. Protein is important for good health because it _____.
   A. is best suited for vegetarians
   B. promotes regular bowel movement
   C. promotes retention and utilization of calcium
   D. is necessary for growth and repairs of body cells

4. By consuming this plant-based product, consumers _____.
   A. can enjoy a fat-free diet
   B. are assured of a wholesome meal
   C. can help to conserve the environment
   D. are assured of all vitamins and minerals in their daily intake

5. An antonym for "**absorption**" is _____.
   A. rejection
   B. digestion
   C. acceptance
   D. assimilation

**Continued...**

**Question III (5 marks)**

1. As shown in the advertisement, the advertiser wants to _____.
   A. sell furnished apartments
   B. offer free laundry services
   C. promote free services and facilities
   D. provide the public with 24 hours security

2. The apartment is near to all of the followings **EXCEPT** _____.
   A. schools
   B. eateries
   C. hospitals
   D. shopping malls

**Continued...**

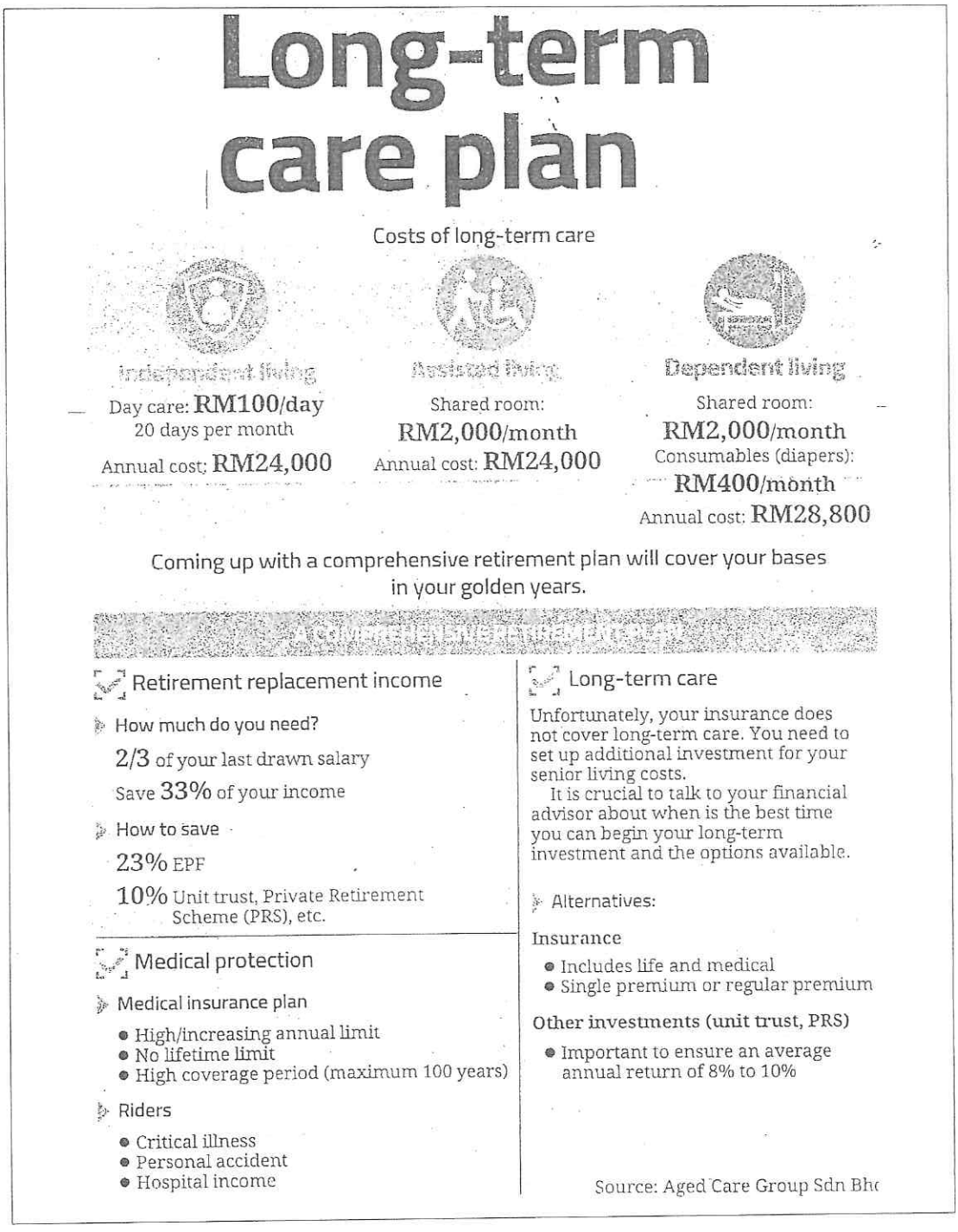
3. Based on the apartment overview, a tenant can _____.
   A. fry rice
   B. boil water
   C. bake a cake
   D. make spaghetti

4. The best place to organise a wedding anniversary for your parents is _____.
   A. in the gym
   B. the reception area
   C. the swimming pool
   D. the kids playground

5. Based on the context above, the synonym for "**housekeeping**" is _____.
   A. cooking
   B. laundering
   C. bed-making
   D. maintenance

Continued...

**Question IV (5 marks)**



# Long-term care plan

Costs of long-term care

**Independent living**

Day care: **RM100/day**
20 days per month
Annual cost: **RM24,000**

**Assisted living**

Shared room:
**RM2,000/month**
Annual cost: **RM24,000**

**Dependent living**

Shared room:
**RM2,000/month**
Consumables (diapers):
**RM400/month**
Annual cost: **RM28,800**

Coming up with a comprehensive retirement plan will cover your bases in your golden years.

**Retirement replacement income**

How much do you need?

2/3 of your last drawn salary

Save 33% of your income

How to save

23% EPF

10% Unit trust, Private Retirement Scheme (PRS), etc.

**Medical protection**

Medical insurance plan

- High/increasing annual limit
- No lifetime limit
- High coverage period (maximum 100 years)

Riders

- Critical illness
- Personal accident
- Hospital income

**Long-term care**

Unfortunately, your insurance does not cover long-term care. You need to set up additional investment for your senior living costs.

It is crucial to talk to your financial advisor about when is the best time you can begin your long-term investment and the options available.

Alternatives:

Insurance

- Includes life and medical
- Single premium or regular premium

Other investments (unit trust, PRS)

- Important to ensure an average annual return of 8% to 10%

Source: Aged Care Group Sdn Bhd

1. The poster shows the _____.
   A. benefits of medical insurance plan
   B. daily living expenditure of the retiree
   C. importance of having a comprehensive retirement plan
   D. bases which need to be covered in a comprehensive retirement plan

Continued...

2. Based on the poster, one way to retire comfortably, the retiree _____.
   A. must invest in unit trusts
   B. should save 33% of his income
   C. should purchase short term medical protection
   D. must choose between a long term care and retirement replacement income

3. In order to cover a senior's living costs, it is prudent to _____.
   A. share a room
   B. talk to a financial advisor
   C. consider long term investment
   D. invest in unit trusts which guarantee low yields

4. With a comprehensive retirement plan, you will be able to _____.
   A. retire with a peace of mind
   B. have a sense of achievement
   C. live comfortably beyond your means
   D. enjoy empathy from people around you

5. From the poster, the word "**independent**" means _____.
   A. free from outside control
   B. not influenced or affected by others
   C. not depending on another's authority
   D. not depending on another for livelihood

## SECTION B: PASSAGES [28 MARKS]

**Instructions:** There are four reading passages in this section. Answer all questions for each passage in complete sentences.

### Passage I (7 marks)

The massive underwater crater left by the asteroid that exterminated the dinosaurs has provided new evidence that sea levels were much lower during the last Ice Age, researchers said.

Scientists worked on a platform off Mexico's east coast to dig for clues about the destruction of life 66 million years ago inside the 200-kilometre wide Chicxulub crater.

By chance, the researchers found evidence that the sea was much further away than the current coastline during the last Ice Age, which is said to commence 110,000 years ago and ended around 11,000 years ago, said mission leader Jaime Urrutia, president of the Mexican Academy of Science.

While a large part of the crater is now under the Gulf of Mexico, it was not submerged during the Ice Age.

"We discovered a circular structure at the bottom (of the sea) and the area is believed to disperse upon impact," Urrutia told a news conference.

"The only way that (such structures) are made is through the dissolution of carbonate and for carbonate to dissolve it must be exposed to air," he said.

This shows that the Yucatán peninsula was "literally much larger" between

**Continued...**

18,000 and 23,000 years ago during the last Ice Age, the scientist said.

International geologists, palaeontologists and microbiologists arrived on the Myrtle platform in the Gulf in April and worked there for two months, digging 1.5 kilometres under the sea floor and extracting six tonnes of rock.

Some results of the studies have been published in the journal Science but the analysis continues at a laboratory in Bremen, Germany.

The 12-kilometre wide asteroid slammed the earth at a speed of 30 kilometres per second some 66 million years ago.

Its crater is unique on the planet because of its "peak ring" formation, a circular elevation as high as 500 metres with a 30-kilometre radius.

The platform was installed over one of the peaks to study the nature of the rocks below and how they took shape.

The scientists have yet to explain how the granite and molten rock seemed to aggregate and petrify into peaks.

"The first results show that the rocks moved up "like jelly," but while the rock was molten, the granite does not show signs of heating", Urrutia said.

The $US15 million Expedition 364 was the first to peer into the undersea part of the Chicxulub crater.

*Adapted from* http://www.news.com.au/technology/science/archaeology/dinokilling-crater-shows-clues-about-ice-age-sea-level/news-story/43821bcf060b5d051a2b130ffaec9407

1. In your own words, explain what evidences were discovered by the group of scientists according to the passage? (3 marks)

2. What was the devastating effect made by the 12-kilometre asteroid that slammed the earth 66 million years ago? (1 mark)

3. In your own words, describe the crater as found in the scientists' findings. (3marks)

**Passage II (7 marks)**

About 1.4 billion jobs and three-quarters of all crops depend on pollinator icons, researchers said this week, warning of a dire threat to human welfare if the falls in bee and butterfly numbers are not halted.

"World food supplies and jobs are at risk unless urgent action is taken to stop global declines of pollinators," said a statement from the University of Reading, whose researchers took part to assemble their studies in the global review. Animal pollination directly affects about three-quarters of important crop types, including most fruits, seeds and nuts and high-value products such as coffee, cocoa and oilseed rape.

Pollinators added some $314-$772 billion (222-545 billion euros) to crop output per year, said the team who conducted the comprehensive research.

"Agriculture employs 1.4 billion people, approximately one-third of the world's economically active labour force," said the review published in the journal

**Continued...**

Nature.

"This is particularly important to the world's poorest rural communities, 70 percent of whom rely on agriculture as the main source of income and employment."

Most pollinators are insects such as bees, butterflies, moths, wasps and beetles, but others include birds, bats and lizards while some crops are pollinated by wind.

The team said crops which depend on animal pollinators are crucial for balanced diets and providing nutrition for humans with micronutrients such as vitamins A and C, calcium, fluoride and folic acid.

"Pollinator losses could therefore result in a substantial rise in the global rate of preventable diseases," the researchers wrote.

"This could result in about 1.4 million additional deaths per year and approximately 29 million lost years of healthy life," the researchers wrote.

Wild plants are also at risk with more than 90 per cent of tropical flowering plant species rely on animal pollination, said the team.

Almost one in five vertebrate pollinators, mostly birds and bats, are threatened with extinction.

And among bees — the most numerous pollinators by far — about nine per cent were catalogued as threatened, with a similar percentage for butterflies.

The true number for bees may be much higher, given the lack of data on many species, said the report.

There are some 20,000 species of bees responsible for fertilising more than 90 per cent of the world's 107 major crops.

Bee populations have been hit in Europe, North America and elsewhere by a mysterious phenomenon called "colony collapse disorder", which has been blamed on mites, a virus or fungus, pesticides, or a combination of factors.

The authors of the review called for measures to protect pollinators against farming's worst side-effects. Such measures would help to dissolve side-effects.

These could include using natural pest predators instead of pesticides, planting strips of flowers between crops, rotating crops to include flowering plants, and restoring native wildflower habitats to house pollinator communities.

Man-made infrastructure such as power lines, railway banks and even motorways could be adapted to provide flowering and nesting spots for pollinators, the team wrote.

Scientists warn of the 'dire threat to human welfare' if bee and butterfly numbers continue to decline.

*Adapted from* http://www.news.com.au/technology/science/animals/scientists-warn-of-the-dire-threat-to-human-welfare-if-bee-and-butterfly-numbers-continue-to-decline/news-story/d4ff2c4c21df23529ea916d11f972792

1. Apart from being a dire threat to human welfare, explain in your own words, what would happen if bee and butterfly numbers continue to decline? (3 marks)

2. What had caused the fall of the pollinators? (1 mark)

3. What recommendations did the team of researchers who participated in the global review the passage proposed to curb the decline of pollinators? (3 marks)

**Continued...**

## Passage III (7 marks)

Australians' love for salmon is unwavering but a new investigation has revealed the looming disaster facing the fish.

Four Corners revealed intensive farming, chemical colouring, salmon under stress and pristine waterways suffering are just some of the issues going on away from the supermarket shelves and fish markets.

Frances Bender, the co-founder of Tasmania's second largest salmon farming company, Huon Aquaculture, has spoken out to warn about the dangers of intensively farming salmon in the state's Macquarie Harbour.

Four Corners revealed Huon Aquaculture told the Tasmanian Government about the need to reduce fish stocks in the harbour on three occasions in 2016.

The Government was also given scientific reports and data showing concerning temperature spikes and dangerous drops in water oxygen levels in February 2016.

The fish were found to be struggling to breathe and were so stressed they stopped feeding and went into survival mode.

In May 2015 about 85,000 salmon belonging to Petuna Seafoods, the smallest of the big three producers, suffocated in the harbour.

"The facts speak for themselves. The science is speaking for itself. And there is no way that I can sit here and lie," Ms Bender said.

Associate Professor Tim Dempster, from Melbourne University's sustainable aquaculture laboratory, told Four Corners that it was "ill-advised to have more fish in this harbour going through these conditions".

But despite all of the warnings, Ms Bender said the State Government and the Department of Primary Industries, Parks, Water and Environment (DPIPWE) has so far ignored them. If both were to comply then all is not lost.

"It's concerning for my company, it's concerning for the region and everyone that lives there, it's concerning for the reputation of our industry," she said.

But not everyone agrees with Ms Bender's concerns.

The chief executive of Petuna Seafoods said salmon farming in Macquarie Harbour was having a "minimal" impact on the waterway.

And the biggest salmon producer, Tassal, said Macquarie Harbour is a sustainable waterway.

Four Corners also revealed in their investigation the colouring given to farmed salmon through their food creating a pink fleshed fish which would normally be a greyish, white colour.

"If a consumer were to see a salmon fillet that was a pale grey or a white, chances are they wouldn't buy it," Marc Zemel, an attorney with Smith & Lowney, in Seattle said. He added that a committee had been formed to sequestrate affirmative actions on this issue.

*Adapted from* http://www.news.com.au/entertainment/tv/current-affairs/what-you-didnt-know-about-the-salmon-we-eat/news-story/d25d53fc6220fab107748ec968a9ef7e

**Continued...**

1. What issues has the authors' investigation shown about the looming disaster facing the salmon? (2 marks)

2. Why is salmon farming having a minimal impact in Macquarie? (1 mark)

3. In your own words, explain the dangers of intensive farming and provide a way that may help to overcome it. (4 marks)

**Passage IV (7 MARKS)**

The United States (US) military is reportedly readying for the next generation of warfare in space, where science fiction-like weapons such as kamikaze satellites and destructive lasers await — a prospect that many experts see as merely a matter of time.

The nightmare scenario could begin with a massive cyberattack that could disable satellites and ultimately cut off communication networks for millions of Americans, according to an hour-long documentary, war in Space: The Next Battlefield, slated to air this week in the US on Cable News Network (CNN).

"As humans go out there, there has always been conflict," General John Hyten, head of US Strategic Command, told CNN. "Conflict in the Wild West as we move in the West conflict in Europe for its horrible world wars. So, every time humans actually physically move into that, there's conflict, and in that case, we'll have to be available and prepared for that."

Hyten is one of more than 10 high-ranking national security and military personnel interviewed by CNN for the documentary, including the entire US chain of command for space warfare and the former head of Air Force Space Command. These experts say the United States is not prepared to respond to the new threats.

Russia and China are America's chief adversaries in the final frontier, where Russia has already deployed what could be kamikaze satellites called "Kosmos 2499," designed to approach US satellites and destroy them if necessary.

CNN reported that directly China has also already launched "Shiyan" satellites, which are equipped with a grappling arm that could pluck satellites from their orbit. The Shiyan-7 satellite was among a set of "three mysterious" satellites launched by China in 2013, Space.com reported. Not only are they trying to compete with each other, but they are also trying to occupy the final frontier.

Hyten told CNN that the technology is among a new generation of weaponry that will soon be able to threaten US satellites in all orbital regimes, including just 100 miles up in near-Earth orbit — home to the International Space Station — and geostationary orbit, which starts about 22,000 miles above sea level.

"We have very good surveillance and intelligence capabilities, so we can see the threats that are being built," he said. "So we're developing capabilities to defend ourselves. It's really that simple." Created in 1982, the US Space Command has about 38,000 employees, with an annual budget of nearly $8.9 billion. The Pentagon's broader budget for space operations is $22 billion, CNN reports.

Deputy Defense Secretary Robert Work warned in April 2015 that the US military was ill-prepared for a conflict that "extends into space." Five months later, Work's prediction was proved right when US space officials were caught off guard

**Continued...**

during a simulated space battle on military satellites.

CNN reported that the US is now quietly developing advanced weapons that could potentially have defensive or offensive missions in space, including the US Navy's Laser Weapons System and a pilotless space drone called the X-37b. However, Peter Singer, a Defense Department adviser on space threats and author of Ghost Fleet: A Novel of the Next World War, told CNN that the war in space is one that the US could possibly lose. "We'd be silly to say it's not a possibility," Singer said. "What any defence [planner] will tell you is, don't look for the ideal outcome, plan for the worst day so that you can survive."

General William Shelton, former head of US Space Command, said flatly that the US is not responding quickly enough to evolving threats in outer space. "Could we provide active defence of our own satellites? The answer's no," Shelton told CNN. NASA officials, meanwhile, said in a statement to The Post that the civilian space agency is dedicated to the "peaceful exploration" of space. "We are unaware of the report," a NASA spokesperson said in an email. "NASA is dedicated to the peaceful exploration of space, which is a part of the original space act that Congress passed and President Eisenhower signed in 1958."

*Adapted from* http://www.news.com.au/technology/science/space/the-us-could-be-gearing-up-for-potential-space-wars/news-story/4f219ebea0a2f5fb8faeee9322006066

1. Why is the US military readying for the next generation of warfare in space? (4 marks)

2. Explain how the US could still lose the war although the it is developing advanced weapons that could potentially have defensive or offensive missions in space? (2 marks)

3. Despite big budget for space operations, what was the general conclusion drawn during the interview by CNN with the high ranking national security and military advisers? (1 mark)

**Continued...**

## SECTION C: VOCABULARY [12 MARKS]

**Instructions:** Complete the sentences by using the correct form of the word in parentheses, which are root words taken from the texts in Section B. Use AFFIXES to form the correct form of the word. Please look at the example provided below.

**Example**: (0) The spectators are eagerly waiting for the *continuation* of the game after a delay due to heavy rain. (CONTINUE)

1. The _____ of a corporation by a court in response to a shareholder petition based on statutorily prescribed grounds is also known as involuntary termination. (DISSOLVE)

2. When an artist makes an artistic composition made from scraps, junk, as well as odds and ends (as of paper, cloth, wood, stone, or metal), he is involved in the art of making an _____. (ASSEMBLE)

3. The formation of a blood clot begins with the _____ of platelets. (AGGREGATE)

4. During their _____, jurors were not allowed to speak to reporters. (SEQUESTRATE)

5. The _____ of plant seeds in the forests has always been carried out through natural means. (DISPERSE)

6. The MYTOWN shopping mall in Cheras, said that it was hoping for 85% _____ at the opening and 99% by the end of next year. (OCCUPY)

7. Further growth for the company might be limited considering the challenging outlook and _____ landscape it operates on. (COMPETE)

8. All building work must be carried out in _____ with safety regulations as directed by the court. (COMPLY)

9. As sugar comes in many forms – from artificial sweeteners to fructose, it is important to read the _____ labels when buying food products. (NUTRITION)

10. The ultimate gentleman, James Bond, a character so _____ that he has been the main protagonist of a movie spanning decades. (ICON)

11. Because of its ubiquity and the _____ of safe and effective vaccines. the World Health Organisation (WHO) recommended the use of rotavirus vaccines immunisation programmes in all countries. (AVAILABLE)

12. All applicants should be at least 16 years of age at the _____ of this course. (COMMENCE)

**End of paper**